

# HISTORIC AMERICAN ENGINEERING RECORD

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CAPE CANAVERAL AIR FORCE STATION,  
LAUNCH COMPLEX 39, PAD A  
(John F. Kennedy Space Center)  
East end of Saturn Causeway  
Cape Canaveral  
Brevard County  
Florida

HAER FL-8-11-F

Penny Rogo Bailes, Photographer; Teresa Norman and Nigel Rudolph, Assistant Photographers  
September-December 2009 (FL-8-11-F-1 through FL-8-11-F-246)

Penny Rogo Bailes, Photographer      December 2009 (FL-8-11-F-247 through FL-8-11-F-297)

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FL-8-11-F-202	EXTERIOR VIEW OF THE OPERATIONS SUPPORT BUILDING NO. 1, FACING NORTHWEST.
FL-8-11-F-203	INTERIOR VIEW OF THE OPERATIONS SUPPORT BUILDING NO. 1, FACING SOUTHEAST.

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FL-8-11-F-208	EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 1, FACING NORTHWEST.
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FL-8-11-F-217	EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 4, FACING NORTHEAST.



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FL-8-11-F-221	EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 3, FACING NORTHWEST.
FL-8-11-F-222	EXTERIOR VIEW OF THE WATER CHILLER BUILDING, FACING SOUTHEAST.
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FL-8-11-F-230	DETAIL VIEW OF A TYPICAL CAMERA (CAMERA PAD A NO. 4) WITH A PYRAMIDAL BASE, FACING SOUTHEAST.
FL-8-11-F-231	DETAIL VIEW OF A TYPICAL CAMERA (CAMERA PAD A NO. 6) WITH A CIRCULAR BASE, FACING SOUTHWEST.
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FL-8-11-F-235	GENERAL VIEW OF THE HAMMERHEAD CRANE LOCATED WITHIN THE APOLLO/SATURN V DISPLAY FACILITY, FACING WEST.
FL-8-11-F-236	GENERAL VIEW OF THE HAMMERHEAD CRANE LOCATED WITHIN THE APOLLO/SATURN V DISPLAY FACILITY, FACING EAST.
FL-8-11-F-237	EXTERIOR VIEW OF THE APOLLO-ERA FOAM BUILDING, FACING NORTHWEST.
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FL-8-11-F-243	EXTERIOR VIEW OF THE APOLLO-ERA SEWAGE EQUIPMENT BUILDING TO LEFT AND SEWAGE LIFT STATION TO RIGHT, FACING NORTHEAST.
FL-8-11-F-244	EXTERIOR VIEW OF THE APOLLO-ERA REMOTE AIR INTAKE BUILDING, FACING NORTHEAST.
FL-8-11-F-245	INTERIOR VIEW OF THE APOLLO-ERA REMOTE AIR INTAKE BUILDING, FACING SOUTHWEST.

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FL-8-11-F-246    GENERAL VIEW OF THE APOLLO-ERA AZIMUTH ALIGNMENT  
STATION, FACING NORTH.

Photograph Nos. FL-8-11-F-247 through FL-8-11-F-297 are photocopies of engineering drawings, and are 8" x 10" enlargements from 4" x 5" negatives. Original drawings are located at the Engineering Documentation Office, NASA KSC, Florida.

FL-8-11-F-247    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
COVER SHEET  
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FL-8-11-F-248    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
PERIMETER PLAN OF LAUNCH PAD 39A  
Sheet V6

FL-8-11-F-249    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
PICTORIAL VIEW-PAD 39 & PAYLOAD CHANGEOUT ROOM  
Sheet V12

FL-8-11-F-250    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
LAUNCH PAD 39A, PLAN AT EL 48'-0" (EXISTING)  
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- FL-8-11-F-251 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PLAN, MODIFIED LAUNCH PAD  
Sheet V11
- FL-8-11-F-252 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT, ELEVATIONS SIDE 1 & 2  
Sheet A8
- FL-8-11-F-253 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT, ELEVATIONS SIDE 3 & 4  
Sheet A9
- FL-8-11-F-254 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 75'-0" AND  
95'-0"  
Sheet A11
- FL-8-11-F-255 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 115'-0" AND  
135'-0"  
Sheet A12

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- FL-8-11-F-256    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 155'-0" AND  
175'-0"  
Sheet A13
- FL-8-11-F-257    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 195'-0" AND  
215'-0"  
Sheet A14
- FL-8-11-F-258    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 235'-0" AND  
255'-0"  
Sheet A15
- FL-8-11-F-259    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 275'-0" AND  
280'-6"  
Sheet A16
- FL-8-11-F-260    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 295'-0" AND  
DETAILS  
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- FL-8-11-F-261 Photocopy of drawing  
LIGHTNING MAST ON SSAT FOR LAUNCH PAD 39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K07863, Reynolds Smith & Hills, August, 1976  
LIGHTNING MAST-DETAILS  
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- FL-8-11-F-262 Photocopy of drawing  
ORBITER ACCESS ARM SYSTEM INSTALLATION, LAUNCH  
COMPLEX 39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K05004, NASA KSC, April, 1978  
ISOMETRIC AND INDEX  
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- FL-8-11-F-263 Photocopy of drawing  
ET GOX VENT SYSTEM, LAUNCH COMPLEX 39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K06343, NASA KSC, December, 1979  
PICTORIAL, SYSTEM INSTALLATION  
Sheet 1 of 15
- FL-8-11-F-264 Photocopy of drawing  
VEHICLE LINE REPLACEABLE UNIT (LRU) ACCESS SYSTEM  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K14101, Reynolds Smith & Hills, February, 1978  
GENERAL ARRANGEMENT ISOMETRIC  
Sheet M1
- FL-8-11-F-265 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR-PLAN, EL 107'-0" AND 120'-0"  
Sheet A26

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- FL-8-11-F-266    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR PLAN, EL 130'-7"  
Sheet A25
- FL-8-11-F-267    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR AT OMBUU CATWALK  
Sheet A27
- FL-8-11-F-268    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR ROOF PLAN  
Sheet A29
- FL-8-11-F-269    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 1  
Sheet A30
- FL-8-11-F-270    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 2  
Sheet A31

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- FL-8-11-F-271    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 3  
Sheet A32
- FL-8-11-F-272    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 4  
Sheet A33
- FL-8-11-F-273    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
FLOOR PLANS-PCR  
Sheet A36
- FL-8-11-F -274    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT PCR-SECTION 1 INTERIOR  
Sheet A34
- FL-8-11-F-275    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
PCR MAIN DOORS, INTERIOR/EXTERIOR ELEVATIONS  
Sheet A46



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- FL-8-11-F-276 Photocopy of drawing  
ACCESS & EQUIPMENT PLATFORMS-INTERIOR OF PAYLOAD  
CHANGEOUT ROOM (PCR) FOR SPACE SHUTTLE AT LAUNCH PAD  
39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K06519, Reynolds Smith & Hills, August, 1976  
COVER SHEET  
Sheet V1
- FL-8-11-F-277 Photocopy of drawing  
LAUNCH COMPLEX 39A, PAYLOAD CHANGEOUT ROOM  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K05832, NASA KSC, December, 1976  
MID-BODY UMBILICAL UNIT, TITLE SHEET  
Sheet V-1
- FL-8-11-F-278 Photocopy of drawing  
REFURBISHMENT OF PAD SURFACES AT LAUNCH PAD 39A FOR  
SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K15223, Reynolds Smith & Hills, December, 1978  
PROJECT COVER SHEET  
Sheet 1 of 5
- FL-8-11-F-279 Photocopy of drawing  
FLAME DEFLECTORS & FLAME TRENCH REFURBISHMENT-PAD  
39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K35164, Reynolds Smith & Hills, March, 1998  
GENERAL ARRANGEMENT PLAN & SECTION  
Sheet V2
- FL-8-11-F-280 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
SHUTTLE FLAME DEFLECTORS INFORMATION & CRITERIA  
Sheet S101

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- FL-8-11-F-281    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
GENERAL ARRANGEMENT SHUTTLE FLAME DEFLECTORS  
Sheet S102
- FL-8-11-F-282    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
LAUNCH PAD 39A, PLAN AT EL 22'-0" (EXISTING)  
Sheet V9
- FL-8-11-F-283    Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
SECTIONS, LAUNCH PAD 39A (EXISTING)  
Sheet V10
- FL-8-11-F-284    Photocopy of drawing  
SOUND SUPPRESSION WATER SYSTEM, PAD 39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K07861, Reynolds Smith & Hills, December, 1976  
SITE PLAN  
Sheet M1
- FL-8-11-F-285    Photocopy of drawing  
SOUND SUPPRESSION WATER SYSTEM, ELEVATED WATER TANK  
AT LAUNCH PAD 39A  
NASA, John F. Kennedy Space Center, Florida  
Drawing 79K07859, Reynolds Smith & Hills, December, 1976  
300,000 GALLON ELEVATED STORAGE TANK ASSEMBLY AND  
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Sheet M1

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- FL-8-11-F-286 Photocopy of drawing  
PAD LC39A, EMERGENCY EGRESS SLIDEWIRE SYSTEM  
MODIFICATIONS  
NASA, John F. Kennedy Space Center, Florida  
Drawing 80K51372, Reynolds Smith & Hills, October, 1987  
GENERAL ARRANGEMENT AND KEY PLAN  
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- FL-8-11-F-287 Photocopy of drawing  
PAD LC39A, EMERGENCY EGRESS SLIDEWIRE SYSTEM  
MODIFICATIONS  
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- FL-8-11-F-288 Photocopy of drawing  
COMPLEX 39, VOLUME III, LAUNCH PAD "A"  
NASA, John F. Kennedy Space Center, Florida  
Drawing 203-102, Giffels & Rossetti, Inc., September, 1963  
LOX ELECTRICAL EQUIPMENT BUILDING  
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- FL-8-11-F-289 Photocopy of drawing  
OPERATIONS SUPPORT BUILDINGS, COMPLEX 39, PAD "A"  
NASA, John F. Kennedy Space Center, Florida  
Drawing 203-336, U.S. Army Corps of Engineers, May, 1965  
LOX AREA, BUILDING A-1, FLOOR PLAN & DETAILS  
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- FL-8-11-F-290 Photocopy of drawing  
COMPLEX 39, VOLUME III, LAUNCH PAD "A"  
NASA, John F. Kennedy Space Center, Florida  
Drawing 203-102, Giffels & Rossetti, Inc., September, 1963  
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CAPE CANAVERAL AIR FORCE STATION,  
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- FL-8-11-F-291 Photocopy of drawing  
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Drawing 203-336, U.S. Army Corps of Engineers, May, 1965  
LOX AREA, BUILDING A-2, PLAN, ELEVATIONS & DETAILS  
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- FL-8-11-F-292 Photocopy of drawing  
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE  
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Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
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- FL-8-11-F-293 Photocopy of drawing  
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Drawing 79K04400, Reynolds Smith & Hills, March, 1975  
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- FL-8-11-F-294 Photocopy of drawing  
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- FL-8-11-F-295 Photocopy of drawing  
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- FL-8-11-F-297    Photocopy of drawing  
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                     Drawing 203-102, Giffels & Rossetti, Inc., September, 1963  
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